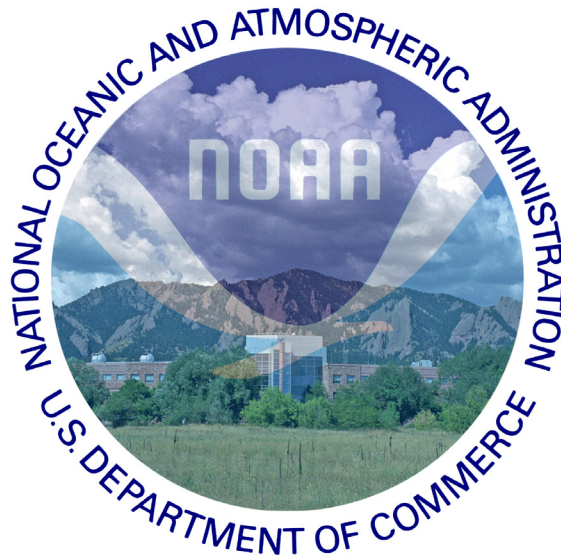


Acronyms



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Acronyms from Presentations

20CR	Twentieth Century Reanalysis
3DVAR	3-Dimensional Variational Assimilation
4DVAR	4-Dimensional Variational Assimilation
AB3	The third-order Adams-Bashforth scheme
ACR	Advance Ceramics Research
ACRE	Atmospheric Circulation Reconstructions over the Earth
ACUF	AMS Committee on Uncertainty in Forecasts
AFB	Air Force Base
AFWA	Air Force Weather Agency
AGL	Above Ground Level (height above ground)
AGU	American Geophysical Union
AIRMAP	Air Quality and Climate Mapping Program (University of New Hampshire)
ALPS	Advanced Linux Prototype System
AMDAR	Aircraft Meteorological Data Report(s)
AMIP	Atmospheric Model Intercomparison Project
AMO	Atlantic Multidecadal Oscillation
AMS	American Meteorological Society
AMSU	Advanced Microwave Sounding Unit
AOPC	Atmosphere Observation Panel for Climate
AR	Atmospheric River
ARL	Air Resources Laboratory
ARTCC	Air Route Traffic Control Center
ASOA	International Arctic Systems for Observing the Atmosphere
ASTC	Association of Science-Technology Centers
AWC	Aviation Weather Center (NCEP center)
AWIPS	Advanced Weather Interactive Processing System
AWRP	Aviation Weather Research Program
CAP	Climate Applications Project
CAPS	Center for Analysis and Prediction of Storms (at University of Oklahoma)
CCRG	Climate Change Research Group
CCSP	Climate Change Science Program (now USGCRP)
CDMP	Climate Database Modernization Program
CFS	Climate Forecast System (NCEP model)
CIG	Climate Impacts Group
CIRA	Cooperative Institute for Research in the Atmosphere
CIRES	Cooperative Institute for Research in Environmental Sciences
CLIMAS	Climate Assessment for the Southwest
CMIP	Climate Model Intercomparison Project
COADS	Comprehensive Ocean-Atmosphere Data Set
CONUS	Contiguous United States
COTS	Commercial Off-the-Shelf Technology
CPC	Climate Prediction Center (NCEP center)
CPU	Central Processing Unit

CRREL	Cold Regions Research and Engineering Laboratory (US Army)
CSD	Chemical Sciences Division
CSU	Colorado State University
CSIRCA	Chemical and Surface Input Reanalysis for Climate Applications
CU	University of Colorado
CUDA	Compute Unified Device Architecture
CWSU	Center Weather Service Unit
DA	Data Assimilation
DCS	Digital Camera System
DJF	December, January, February
DOC	Department of Commerce
DOE	Department of Energy
DSS	Decision Support Service/System
DTC	Developmental Testbed Center
EC	Environment Canada
ECWMF	European Centre for Medium-Range Weather Forecasts
EGU	European Geosciences Union
EMULATE	European and North Atlantic daily to MULTidecadal climATE variability
EnKF	Ensemble Kalman filter
EnKF/4DVAR	Ensemble Kalman filter / four-dimensional variational
ENSO	El Niño Southern Oscillation
EO/IR	Electro Optical/Infra red (sensor)
EPA	Environmental Protection Agency
ERA-40	ECMWF Reanalysis Archive 40
ESMF	Earth System Modeling Framework
ESRL	Earth System Research Laboratory
EU	European Union
FAR	False Alarm Ratio
FCT	Flux-Correct Transport
FIM	Flow-following finite-volume Icosahedral Model
FIP	Forecast Icing Potential
FX-C	FX-Collaborative – Forecasting in and X-Windows environment.
FX-Net	Same as above, but the Net stands for Internet, as in ‘the Net’
GC	Gas Chromatograph
GCM	Global Climate Model
GCOS	Global Climate Observing System
GCRM	Global Cloud Resolving Model
GFDL	Geophysical Fluid Dynamics Laboratory
GFE	Graphical Forecast Editor
GFFS	Gridded Forecast Feedback Systems
GFS	Global Forecast System (NCEP global model)
GIP	Global Interoperability Program
GISS	Goddard Institute for Space Studies
GMAO	Global Modeling and Assimilation Office (NASA Goddard)
GMD	Global Monitoring Division (within ESRL)

GOES	Geostationary Operational Environmental Satellites
GOES-E	GOES-East
GPRA	Government Performance Results Act
GPS-IPW	Global Positioning System-Integrated Precipitable Water
GPS-Met	GPS Meteorology network
GPUs	Graphical Processor Units
GSI	Gridpoint Statistical Interpolation (assimilation)
GSD	Global Systems Division
GTG	Graphical Turbulence Guidance
HadISST	Hadley Centre Ice and Sea Surface Temperature dataset
HALE	High-Altitude Long Endurance (UAS)
HFIP	Hurricane Forecast Improvement Project
HMT	Hydrometeorology Testbed
HPC	High Performance Computing
HPC	Hydrometeorological Prediction Center
HRRR	High-Resolution Rapid Refresh (3 km hourly updated radar-initialized model)
HYCOM	HYbrid Coordinate Ocean Model
IBTRACS	International Best Track Archive for Climate Stewardship
ICOADS	International Comprehensive Ocean-Atmosphere Data Set
IEDRO	International Environmental Data Rescue Organization
IFGA	Institute of General Applied Physics
IJHPC	International Journal of High Performance Computation
IM	Portuguese Meteorological Institute
IMET	Incident Meteorologist
INCITE	Innovative and Novel Computational Impact on Theory and Experiment
IPCC	Intergovernmental Panel on Climate Change
ISETCSC	Interdisciplinary Scientific Environmental Technology (ISET) Cooperative Science Center
ISPD	International Surface Pressure Databank
IT	Information Technology
IWV	Integrated water vapor
JCP	Journal Computational Physics
JCSDA	Joint Center for Satellite Data Assimilation
Kft	Thousands of feet (height unit)
KNMI	Koninklijk Nederlands Meteorologisch Instituut
LALE	Low Altitude Long Endurance (UAS)
LAPS	Local Analysis and Prediction System
LIDAR	Light Detection and Ranging
LLJ	Low-level Jet
LSM	Land-Surface Model
MADIS	Meteorological Assimilation Data Ingest System
MAF	Million Acre Feet
METAR	Aviation Routine Weather Report (translation from French)
MDL NWS	Meteorological Development Laboratory

MJO	Madden-Julian Oscillation
MOA	Memorandum of Agreement
MPP	Massively Parallel Processor
MWR	Monthly Weather Review
NAEFS	North American Ensemble Forecast System
NAM	North American Mesoscale Model
NARRE	North American Rapid Refresh Ensemble
NASA	National Aeronautics and Space Administration
NCAR	National Center for Atmospheric Research
NCDC	National Climatic Data Center
NCEP	National Centers for Environmental Prediction
NCS	NOAA Climate Service
NCWF	National Convective Weather Forecast
NDML	Numerical Data Markup Language
NEXRAD	NEXt generation RADar
NEMS	NOAA Environmental Modeling System
NEVS	Network-Enabled Verification Service
NextGen	Next-Generation Air Transportation System
NGDC	National Geophysical Data Center
NH	Northern Hemisphere
NHC	National Hurricane Center
NICAM	Non-hydrostatic Icosahedral Atmospheric Model
NIDIS	National Integrated Drought Information System
NIM	Non-hydrostatic Icosahedral Model
NMFS	NOAA Marine Fisheries Service
NMML	NOAA Marine Mammal Laboratory
NNR	NCEP-NCAR Reanalysis
NOAA	National Oceanic and Atmospheric Administration
NPN	NOAA Profiler Network
NRC	National Research Council
NRCS	Natural Resources Conservation Services
NSF	National Science Foundation
NSSL	National Severe Storms Laboratory
NSTA	National Science Teachers Association
NWP	Numerical Weather Prediction
NWS	National Weather Service
NUOPC	National Unified Operational Prediction Capability
O&M	Operation and Maintenance
O3	Ozone
OAR	NOAA's Office of Oceanic and Atmospheric Research
OHD	Office of Hydrologic Development
OLR	Outgoing Longwave Radiation
OOPC	Ocean Observations Panel for Climate
OSE	Observing System Experiment
OSIP	Operational Service Improvement Process

OSSE	Observing System Simulation Experiment
OST	Office of Science and Technology Home
PADS	Precision Air Drop System
PBL	Planetary Boundary Layer
PCMDI	Program for Climate Model Diagnosis and Intercomparison
PDO	Pacific Decadal Oscillation
PDSI	Palmer Drought Severity Index
PGF	Pressure Gradient Force
PMVS	Passive Microwave Vertical Sounder
PODY	Probability of Detection, Yes
PoP	Probability of Precipitation
PPBES	Planning, Programming, Budgeting, and Execution System
PPI	Plan Position Indicator (radar)
PQPF	Probabilistic Quantitative Precipitation Forecast
PSD	Physical Sciences Division
QC	Quality Control
QPF	Quantitative Precipitation Forecast
RASS	Radio Acoustic Sounding System
R&D	Research and Development
RCC	Regional Climate Center
RCFP-RUC	Convective Probability Forecast
RFC	River Forecast Center
RISA	Regional Integrated Sciences and Assessments
Roshydromet	Russian Federation for Hydrometeorological and Environmental
RR	Rapid Refresh (model/assimilation system)
RSA	Range Standardization and Automation
RTO	Research to Operations
RTVS	Real-Time Verification System
RUC	Rapid Update Cycle (model/assimilation system)
SAMOS	Shipboard-Automated Meteorological and Oceanographic System
SAON	Sustained Arctic Observing Network
SAP	Synthesis and Assessment Product of the CCSP
SAS	Single Authoritative Source
SEAFLUX	Ocean Surface Turbulent Flux Project
SH	Southern Hemisphere
SIGN	Signatures of environmental change In the observations of the Geophysical Institutes
SIRCA	Surface Input Reanalysis for Climate Applications
SMS	Scalable Modeling System
SOD	Stats-on-Demand Verification System
SOS	Science On a Sphere
SST	Sea Surface Temperature
STEM	Science Technology Engineering and Mathematics
STMAS	Space-Time Mesoscale Analysis System
TACC	Texas Area Computing Center

TAMDAR	Tropospheric AMDAR
TAO	Tropical Atmosphere Ocean
TMU	Traffic Management Unit
UAS	Unmanned Aircraft Systems
UIUC	University of Illinois Urbana-Champaign
UK	United Kingdom
UNSW	University of New South Wales
U.S. GCRP	United States Global Change Research Program
USACE	United States Army Corps of Engineers
USAF	United States Air Force
USBR	United States Bureau of Reclamation
USDA	United States Department of Agriculture
USFS	United States Forest Service
USFWS	United States Fish and Wildlife Service
USGCRP	United States Global Change Research Program
USGS	United States Geological Survey
VACT	Volcanic Ash Coordination Tool
VAD	Velocity Azimuth Display (Radar winds)
VBAFB	Vandenburg Air Force Base
VIC	Variable Infiltration Capacity Land Model
WWA	Western Water Assessment
WCRP	World Climate Research Programme
WDC	World Data Center
WFO	Weather Forecast Office
WGA	Western Governors' Association
WHOI	Woods Hole Oceanographic Institution
WIDA	Weather Information Decision Aids
WMO	World Meteorological Organization
WRF	Weather Research and Forecast (community model)
WRF-Chem	Weather Research and Forecast model coupled with chemistry
WSWC	Western States Water Council
ZAMG	Austrian Weather Service